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states:(71) Applicant: MATSUSHITA ELECTRIC IND CO
LTD(72) Inventor: NUMAMOTO HIRONAO
NISHINO ATSUSHI
ONO YUKIYOSHI
SUZUKI JIRO

(74) Representative:

(54) GAS SEAL MEMBER

(57) Abstract:

PURPOSE: To obtain a gas seal member from which an unburnt portion can be purged while keeping properly cushioning characteristics by depositing a platinum metal on a sheet consisting of an inorg. heat-resistant ceramic fiber, a ceramic powder and an inorg. binder.

CONSTITUTION: A gas sheet member wherein a platinum metal is carried on a sheet or a felt consisting

of pref. 80-97wt.% inorg. heat-resistant ceramic fiber, pref. 2.7-17wt.% ceramic powder with a high specific surface area and pref. 0.3-3wt.% inorg. binder for binding the inorg. heat-resistant ceramic fiber to the ceramic powder. As the inorg. heat-resistant ceramic fiber used, an alumina/silica fiber is most desirable from the viewpoint of cost. In addition, as the compsn., one with 40-95wt.% alumina and 5-60wt.% silica is pref.

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